FIG. 1

CENTRAL MANAGEMENT STATION
11

SW
101

DATABASE
15

POLLING GATEWAY — 12-1

POLLING GATEWAY — 12-2

POLLING GATEWAY — 12-N

NETWORK ELEMENT$_1$ (SUN) COMPUTER (FULLY POPULATED) — 13-1

NETWORK ELEMENT — 13-2

NETWORK ELEMENT — 13-3

NETWORK ELEMENT FIXED SYSTEM — 13-4

NETWORK ELEMENT — 13-N

FIG. 2
(PRIOR ART)

CENTRAL MANAGEMENT STATION
21

SW
101
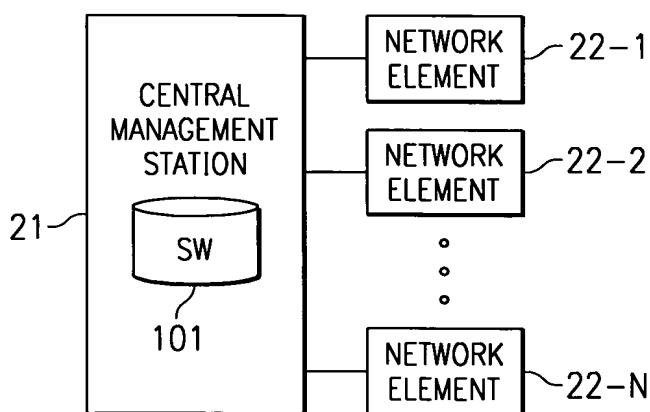
NETWORK ELEMENT — 22-1

NETWORK ELEMENT — 22-2

NETWORK ELEMENT — 22-N

FIG. 5

$$\Delta t = (x+y)/z$$
501

WHERE x = CURRENT INFORMATION
WHERE y = NEW INFORMATION
WHERE z = NUMBERING OF SAMPLING POINTS

FIG. 3

30

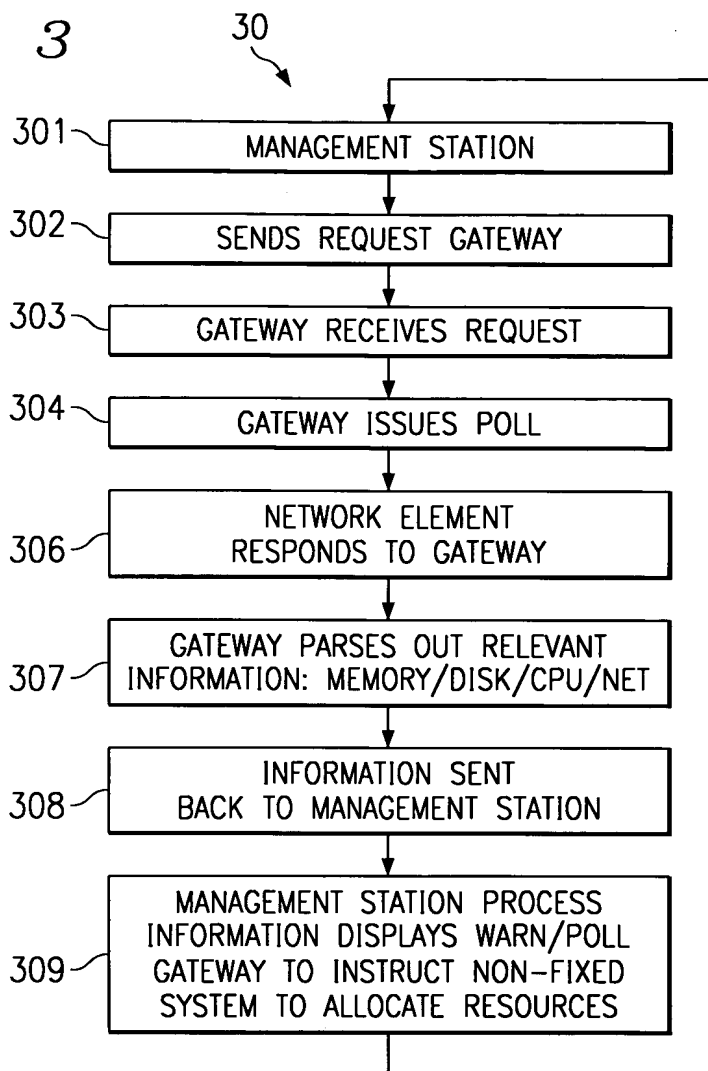301 — MANAGEMENT STATION

302 — SENDS REQUEST GATEWAY

303 — GATEWAY RECEIVES REQUEST

304 — GATEWAY ISSUES POLL

306 — NETWORK ELEMENT
RESPONDS TO GATEWAY

307 — GATEWAY PARSES OUT RELEVANT
INFORMATION: MEMORY/DISK/CPU/NET

308 — INFORMATION SENT
BACK TO MANAGEMENT STATION

309 — MANAGEMENT STATION PROCESS
INFORMATION DISPLAYS WARN/POLL
GATEWAY TO INSTRUCT NON-FIXED
SYSTEM TO ALLOCATE RESOURCES

FIG. 4

400

RECEIVES INFORMATION FROM GATEWAY — 401

DOES STAT ANALYSIS — 402

STORE INFORMATION — 403

IF THRESHOLD IS REACHED
USER DEFINED ACTION A) ALERT
                     B) ALLOCATE RESOURCES
                        (ADD OR SUBTRACT) — 404